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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/624,244	07/22/2003	Kevin M. Kronfeld	03CR149/KE	7563
75	90 11/16/2006	EXAMINER		
ROCKWELL COLLINS, INC.			GREGORY, BERNARR E	
Attention: Kyle Eppele M/S 124-323		ART UNIT	PAPER NUMBER	
400 Collins Rd. NE			. 3662	-
Cedar Rapids, IA 52498			DATE MAILED: 11/16/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/624,244	KRONFELD ET AL.			
Office Action Summary	Examiner	Art Unit			
·	Bernarr E. Gregory	3662			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status	•				
1) Responsive to communication(s) filed on					
	-· action is non-final.				
<del>'=</del>	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4)⊠ Claim(s) <u>1-20</u> is/are pending in the application.					
4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1-20</u> is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/or	election requirement.				
Application Papers					
9) The specification is objected to by the Examiner.  10) The drawing(s) filed on 22 July 2006 is/are: a) accepted or b) bodiected to by the Examiner.					
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Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:					
1.☐ Certified copies of the priority documents have been received.					
2. Certified copies of the priority documents have been received in Application No					
3. Copies of the certified copies of the priority documents have been received in this National Stage					
application from the International Bureau (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.					
	•				
Attachment(s)		•			
1) Notice of References Cited (PTO-892)	4) Interview Summary Paper No(s)/Mail Da				
<ul> <li>2) Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3) Information Disclosure Statement(s) (PTO/SB/08)</li> </ul>	atent Application				
Paper No(s)/Mail Date	6) 🔲 Other:				

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1. The drawings are objected to because box-type drawing elements 12, 14, 16, 18, and 22 in Figure 1 lack descriptive labelling per 37 CFR §1.83(o). Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

The descriptive labelling that is lacking on box-type drawing elements 12, 14, 16, 18, and 22 of Figure 1 is any text or internationally-accepted schematic symbol that identifies the item illustrated by the box-type drawing element. For example, if a box-type drawing element were to illustrate an amplifier, then it must be labelled, "AMPLIFIER." Correction is hereby **required**.

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 1-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

On lines 8-9 of independent claim 1, it is unclear in context what is meant by the method step of "combining the first and second representations to form a three-dimensional model of the weather event" as opposed to the method step on line 10 of claim 1 of "constructing a ... shape ...".

On lines 16-17 of independent claim 7, it is unclear in context what is meant by the method step of "combining the first shape descriptor and the second shape descriptor to form a three-dimensional model ..." as opposed to the method step on lines 18-20 of claim 7 of "constructing a ... shape ...".

On lines 13-14 of independent claim 19, it is unclear in context what is meant by the "processor" acting to generate "a three-dimensional model ..." as opposed to the "display" rendering a "three-dimensional shape" as set forth on lines 15-16 of independent claim 19.

Dependent claims 2-6, 8-18, and 20 are unclear in that they depend from unclear independent claims 1, 7, and 19.

4. Claims 1, 7, and 19 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

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5. Claims 2-6, 8-18, and 20 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The examiner-cited prior art is of interest for showing prior art systems and methods of displaying radar returns in three dimensions where a plurality of sweeps have been used to obtain the returns.

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7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bernarr E. Gregory whose telephone number is (571) 272-6972. The examiner can normally be reached on weekdays from 7:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas H. Tarcza, can be reached on (571) 272-6979. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

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you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Bernarr E. Gregory

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Primary Examiner

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